

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001032

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H03F 1/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6356146 B1 (ANDREW S. WRIGHT ET AL), 12 March 2002 (12.03.2002), column 2, line 25 - column 3, line 30 --	1-9
A	US 6141390 A1 (ARMANDO COVA), 31 October 2000 (31.10.2000), column 3, line 1 - line 42 --	1-9
A	US 5867065 A1 (ROBERT RICHARD LEYENDECKER), 2 February 1999 (02.02.1999), column 2, line 66 - column 3, line 29 --	1-9

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"S" document member of the same patent family

Date of the actual completion of the international search

13 February 2004

Date of mailing of the international search report

10-02-2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2376613 A (WIRELESS SYSTEMS INTERNATIONAL LIMITED), 18 December 2002 (18.12.2002), page 1 - page 4 -- -----	1-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

24/12/2003

International application No.

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US	6356146	B1	12/03/2002	AU	5840500	A	13/02/2001
				EP	1205024	A	15/05/2002
				US	6388513	B	14/05/2002
				US	6459334	B	01/10/2002
				US	6476670	B	05/11/2002
				US	2001050592	A	13/12/2001
				US	2002008578	A	24/01/2002
				US	2002044014	A	18/04/2002
				WO	0108296	A	01/02/2001
				AU	5840800	A	13/02/2001
				AU	6009300	A	13/02/2001
				AU	6009400	A	30/01/2001
				AU	6309300	A	13/02/2001
				EP	1196986	A	17/04/2002
				EP	1196988	A	17/04/2002
				EP	1203444	A	08/05/2002
				EP	1203445	A	08/05/2002
				EP	1280273	A	29/01/2003
				US	6342810	B	29/01/2002
				US	6587514	B	01/07/2003
				WO	0105026	A	18/01/2001
				WO	0108294	A	01/02/2001
				WO	0108295	A	01/02/2001
				WO	0108297	A	01/02/2001

US	6141390	A1	31/10/2000	AU	7264898	A	27/11/1998
				EP	0980613	A	23/02/2000
				US	5923712	A	13/07/1999
				WO	9851047	A	12/11/1998

US	5867065	A1	02/02/1999	AU	7243998	A	27/11/1998
				CA	2289133	C	11/11/2003
				EP	0981854	A	01/03/2000
				WO	9851005	A	12/11/1998

GB	2376613	A	18/12/2002	GB	0114803	D	00/00/0000
				WO	02103892	A	27/12/2002
